

Attorney Docket No.: **PENN-0749**
Inventors: **Muzykantov et al.**
Serial No.: **09/762,023**
Filing Date: **June 28, 2001**
Page 3

This listing of the claims will replace all prior versions
and listings of claims in the application:

Listing of the claims:

Claims 1-4 (canceled)

Claim 5: (currently amended) A method for augmenting local anti-thrombotic potential of endothelium and dissolving of intravascular blood clots in the pulmonary vasculature of an animal comprising intravenously administering to the animal a fibrinolytic or anticoagulant agent conjugated with an antibody which binds to an antigen on the luminal surface of the vascular endothelium without subsequent internalization into endothelial cells.

Claims 6-8 (canceled)

9. (new) A method for dissolution of fibrin clots comprising administering a non-internalizable antibody to ICAM-1 conjugated to an anti-thrombotic agent.